

U.S. TORPEDO BOAT DESTROYERS NOS. 79 TO 86

GENERAL INFORMATION

NGTH BETWEEN PERPENDICULARS (FP + STA 40)	_310'-0"	
OJECTION FORWARD OF F.P.	3'-0"	
" AFT " STA. 40	1-42"	
NGTH OVER ALL	314-42	
n ON D.W.L.	310-112"	
NGTH OF STRAIGHT KEEL (FR. 7 TO FR. 160)	268 -0"	
EADTH, MOLDED, EXTREME	_ 30-1/室	
" EXTREME, OVER GUARDS	31-84"	
MOLDED, AT TRIAL W.L.	30-84"	
TIO. LENGTH TO BEAM	_ 10.08	
AFT, DESIGNERS W.L. TO BOTTOM OF KEEL	_ 9-1章"	
SPLACEMENT TO DESIGNERS W.L. IN TONS	_ 1185	
(ESTIMATED 273.2 TFUEL OIL AND 25.52 T. RES FEED	WATER)	
PTH M'L'D. MAIN D'K AT SIDE , FR. * 88 (1-0" FORD M.P.)_	20-8 6	
SPLACEMENT TONS PER INCH AT 94/4"DRAFT	15.50	
REA MIDSHIP SECTION TO D.W.L. 9'-12" IN SQ.FT.	212	
REA D.W.L. PLANE	6510	
	10370	
SADTU AT DWI (MOI DED A IL THICKNESS OF PI)	30'-9"	

W.L. PLANE AFT OF FR. #88 (WHICH IS 12 F	ORD M.P. / 6FT. Z IN.	
r of FR. * 88	1 FT. 63 IN.	Main Pro
ASE METACENTRE ABOVE C.G.		THERE AR
DINAL " " "		DRIVEN THE
ENT OF FINENESS, BLOCK		AND ONE
" " MID- SECTION		DRIVING
" " D. W. L.		AFTER EN
" CYLINDRICAL	. 627	THE H.F
XIS FORWARD OF STA, 40	6'-42	CONNECTED
RAMES - SPACING 21"		GEAR AND
ATERTIGHT COMPARTMENTS	45	ARE CON
THUTS FORWARD OF A.P	2/-/"	AND OUTBO
ICLINE DOWN AND AFT. P. 45.		WHICH IS
VERGE FROM & .P.45		<u>R.P.M.</u>
T FROM & OF SHIP AT FR. 99	2'-7"	H.P. AND
	-5'-11"	L.P.
ABOVE MOLDED BASE AT FR. * 99	10-42	PROPELL
в н н н ж 1 38	6'-2"	5.H. P. T
RS, TWO J-BLADED DIA	9-0	
PITCH	9'-11"	
EXPANDED AREA IN SQ. FT.	44.9	
PROJECTED " " "	37.8	TWO CON
	74'n"	TOTAL C

G MACHINERY

TURBINES

TWO PROPELLING SHAFTS AND PROPELLERS EACH
GHA REDUCTION GEAR BY ONE H.P., ONE I.P.,
P. HIGH SPEED CURTIS TURBINES THE TURBINES
E STARBOARD PROPELLER ARE ARRANGED IN THE
HE ROOM, THE SHAFTS TURNING OUTBOARD.

AND LP. TURBINES ARE ARRANGED IN TANDEM AND

DIRECTLY TO THE OUTBOARD PINION OF EACH REDUCTION

THE LP. AND ASTERN TURBINES, ARRANGED IN ONE CASING,

ECTED DIRECTLY TO THE INSUARD. PINIONS BOTH INSUARD

ARD PINIONS, IN ONE CASING DRIVING ONE MAIN GEAR

UPLED DIRECTLY TO ITS RESPECTIVE LINE SHAFT.

D 1.P. TURBINES__3200 ____3000 LERS_____252 TOTAL_____27000

CONDENSERS

COOLING SURFACE ALL CONDENSERS 1519 50° FT.

BOILERS

FOUR YARROW, "EXPRESS" TYPE LBS. PRESS (WORKING) 265. TOTAL HEATING SURFACE IN SQ. FT. 27540 NO. OF OIL BURNERS (IZ PERBOILER) 48 DIAM. OF MAIN STEAM PIPE 102" FOUR FUNNELS, HEIGHT ABOVE KEEL (AVERAGE) 47-9"

BATTERY

4-4" GUNS MARKIX, MOUNT MARK XII

NO. 1 - MAIN TO'K, FR * 28 & TRAIN 90° FORD 65° AFT P4S

- 2 - MAIN D'K, FR * 163 & " 90° AFT 55° FORD P4S

- 3-{TOP OF GALLEY ** 76 ST'BD ** 872° FOR'D 85° AFT S

- 4-{DECK HOUSE ** * 76 PORT ** 872° FOR'D 85° AFT P

2-1 PPS AUTOMATIC ANTIAIRCRAFT GUNS MARK VI MOUNT MARK VIII

HO. I - AUTOMATIC ANTI AIRCRAFT GUN MAIN D'K FR. * 36 &

" 2 - AUTOMATIC ANTI AIRCRAFT GUN MAIN D'K FR. * 61 PORT

4-68m x21" TRIPLE TORPEDO TUBES - DECK

					2,60 AFIT	
11	, 11	* 106	5780.	60° "	, 60°	
					. 60°	
					. 60° ·	

COMPLEMENT

1- COMMANDING OFFICER PETTY OFFICERS 39 5-WARDROOM OFFICERS CREW 96

9-CHIEF PETTY OFFICERS TOTAL ON BOARD 102

LIST OF BOATS

24 WHALE BOAT					23	
21' MOTOR DORY	Y				10	
14 WHERRY			**	**	5	
10' PUNT			11			

CAPACITIES OF WATER TANKS

WATER TAN	K B-103	2879 GAL5	TONS F.W.	10.69
	B-104	2879 "		10.69
RVE FEED	C-101	6872 "		25.52
RDAM	_ A-116	4497 "		16.70

CAPACITIES OF PEAK & TRIMMING TANKS

мр'Т	A-101	1513 GALS	562 TOHS F.W	5.78 TONS	s.w.
**	A-102	3439 "	12.75 " "	13:11	
	D-109	3638	13.51	_13.90	

(95% OF)

CAPACITIES OF FUEL OIL TANKS

5 = 7390	GALS	988.0	CU.FT.	COMP	T. A-114 = 6/3	GALS	. 819.5	CU.FT.
6 = 7390		988.0			_ A-115 = 85	O GALS	1137.7	-0 <u>\</u>
7 = 5150 _		689.2	., .,		D-101=99	30	1327/3	
8 = 5150_		689.2	-11 11		D-102 - 950	90 11	_1280.8_	
5 - 6/30_		819.5		- 4	D-103-100	90	1348.9	1.
- 6390		8543		TOTAL	CAPACITY = 8	1,840	10,942.4	
GHTS	1	4B0	VE	DES	SIGNER	25 V	V.L.	
					9-1를 ABOYE			
TOP OF F	FORE	MAST:	95-10	To	BOTTOM O	F MAIN	TRUC	K

Ē. REMASΤ	86'-3"
PEATFORM (FORD)	_ 29-3"
(AFT.)	_22-8
48) ATSIDE - 29'-3" AT CENTERLINE-	_ 29-8 16"

OF GALLEY DECK	HOUSE (FR 76)	_20-8
F MAIN DECK	PLATING AT STERN	8'-32"
		16-8"

" No.2 " " 1/3() - 12 10 CO. I POBGUN No. 1 AT FR: *36() = 19 - 52

" ' No! " *28 (本)=19'9章 " | PPR " No.2 "FR* 61 (P)= 18'-12"

"TORP. TUBES NO. I AT FR* 98(P)=149" " TORP. TUBES No. 3 AT FR* 127 (F)= 13-112

LITTL AND CLA













